

General Offices/3M

3M Center
St. Paul, Minnesota 55144-1000
(612) 733-1110

REC'D MAY 6 1987

01-86

**MATERIAL SAFETY
DATA SHEET****3M**

DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: SCOTCH-WELD(TM) Struct. Adh. Primer EC-1660
(5% Solids)
3M I.D. NUMBER: 62-2345-7540-5 62-2345-8540-4
ISSUED: MARCH 23, 1987
SUPERSEDES: FEBRUARY 19, 1987
DOCUMENT: 10-5246-3

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1. INGREDIENTS	C.A.S. NO.	PERCENT	EXPOSURE LIMITS
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butadiene/acrylonitrile copolymer	N/A		N/D 5
phenol formaldehyde resin	N/A		N/D 5
sulfur	N/A		N/D 5
accelerator	N/A		N/D 5
zinc oxide	1314-13-2		10 mg/m3 1
magnesium oxide	1309-48-4		10 mg/m3 1
green dye	n/A		N/D 5
TOTAL OF THE ABOVE	N/A	5.0	N/D 5
methyl isobutyl ketone (MIBK)	108-10-1	80.0	50 ppm 1
cyclohexanone	108-94-1	13.0	25 ppm 1
toluene	108-88-3	2.0	100 ppm 1

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

N/D - Not Determined
N/A - Not Applicable

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2. PHYSICAL DATA	
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BOILING POINT:	232F (Toluene)
VAPOR PRESSURE:	25 mm @68F
VAPOR DENSITY (Air=1):	>3
EVAPORATION RATE (Ether=1):	>4.5
APPEARANCE AND ODOR:	Low viscosity green liquid - strong solvent odor
SOLUBILITY IN WATER:	Slight
SP. GRAVITY (Water=1):	0.84
PERCENT VOLATILE:	95%
VISCOSITY:	10-30 cps
pH:	N/A

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MSDS: SCOTCH-WELD(TM) Struct. Adh. Primer EC-1660 (5% Solids) Page 2
MARCH 23, 1987

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3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (Closed Cup): 63F
FLAMMABLE LIMITS - LEL: 1.27 UEL: 7.5

EXTINGUISHING MEDIA:

CO2, foam and dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Flammable. Overheated, closed containers adjacent to fire could explode due to pressure buildup.

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4. REACTIVITY DATA

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STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION: MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO2, SO2, CH2O, nitrogen decomposition products, including the possibility of HCN and smoke particles when subjected to excessive heat or flame.

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5. ENVIRONMENTAL INFORMATION

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SPILL RESPONSE:

Observe precautions in all sections. Extinguish all ignition sources in the immediate area. Ventilate area. Avoid use of tools which may cause sparking. Collect spilled material. Clean up residue with absorbent material as needed and store in closed metal container (U.S. Dept. of Transportation approved if waste is to be shipped).

RECOMMENDED DISPOSAL:

Commercial incineration with destruction and removal efficiency greater than 99.99% or reclamation is preferred. Otherwise, dispose in accordance with applicable regulations.

U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

N/D

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MSDS: SCOTCH-WELD(TM) Struct. Adh. Primer EC-1660 (5% Solids) Page 3
MARCH 23, 1987

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6. SUGGESTED FIRST AID

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EYE CONTACT:

Flush eyes with large amounts of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash thoroughly with soap and water.

INHALATION:

Remove individual to fresh air. Call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of milk or water. Call a physician.

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7. PRECAUTIONARY INFORMATION

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Keep away from heat, sparks and flame. Use only in areas adequately ventilated to remove vapors and prevent vapor buildup. The vapors released by this product can be easily ignited. Prevent contact with eyes and skin; wear protective equipment such as chemical goggles or safety glasses -- whichever is most appropriate for the work situation, and impervious gloves. Avoid prolonged breathing of vapors. In confined areas, local exhaust ventilation should be used. Keep container closed when not in use. Keep out of the reach of children.

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MSDS: SCOTCH-WELD(TM) Struct. Adh. Primer EC-1660 (5% Solids) Page 4
MARCH 23, 1987

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8. HEALTH HAZARD DATA

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EYE CONTACT: Liquid and vapor may cause severe eye irritation.

SKIN CONTACT: May cause skin irritation on prolonged or repeated contact. Cyclohexanone may be absorbed through the skin in harmful amounts.

INHALATION: Vapor overexposure may cause respiratory system irritation, light-headedness, and may cause liver and kidney damage on repeated exposure. Repeated or extreme overexposure to toluene vapors may cause nervous system damage. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, nausea, incoordination, and on extreme overexposure, unconsciousness.

INGESTION: Solvent aspiration into the lung may cause lung damage or death. May cause digestive system irritation. May cause nervous system impairment. Symptoms following ingestion may include nausea, vomiting, and diarrhea.

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.